

Network storage server



NS Series of network storage server are based on Linux and special multi-core servers' economy storage series of high-performance storage servers, which support 16*SATA, hot plug and the function of streaming media forward, maximum supported size is 128ch HD storage (2Mbps).

Features:

High Performance Platform: 64-bit multi-core servers, SAS2.0 and PCI-E2.0 high-speed transmission channel.

High-density design of cases: 3U Case supports 16pcs hard disks. Advanced design skill of case, adopts intellectual cooling system , creates constant temperature space, overall shielded electromagnetic radiation, anti-interference, antistatic design (EMI) and adapts multiple environments.

Extensible interfaces: 1-4 gigabit Ethernet and cache, support SAS cascade expansion ,can increase to 10GB Ethernet and cache, meet usage requirements with different properties.

Real-time backup of system's key information: information can be backup in the system and disk, prevent apps beyond retrieve when some hardware doesn't work.

CPU Intelligent frequency modulation: according to the availability of CPU to have on dynamic setting in order to reduce system energy consumption.

Fan's speed regulation precisely and intelligently: offer smart and precision speed adjustment strategy, besides, enhance cooling effect and lower noise effectively.

Intelligent sleep of hard disk: can make part or all of the non- reading and non-writing hard disk come into the sleeping mode, reduce energy consumption, extend the life of the hard disk.

High-performance streaming data management structure: achieve pre-allocation strategy based on bare space, avoid the problems that files are unreadable and lost caused by damage of file system, avoid overwrite performance degradation ,ensure stable property.

The adaptation of a variety of structures: not only can be storage server with independent store-and-forward, active registration and alarm, but also can register center management server in the master to be slave server under distributed system.

Parameters:

Model	NS7116C	
Performance	Video(2Mbps)	128ch video+40ch forward
Controller	Processor	64 - bit multi-core processors
	Cache	2GB (max:32G)
Storage	Disk interface	16
	Disk capacity	SATA/1T,2T,3T,4T
	RAID	Need to match
Storage management	Disk manage	Surveillance detection and restore
	LVM	NAS、iSCSI、video
	Date protection	WORM anti-tamper, real-time backup systematic information, clone volumes
Video management	Mode	Support timing、 manual、 main stream and alarm video, etc.
	Backup	Local backup、 offsite backup
	Video Protect	Support key lock of video、 CVR、 Surveillance detection about missing video
	Inquiry	Query by time and the types of events
	Download	quick、 bulk、 segmented and merging download
Network management	Network Agreement	RTSP/ONVIF/iSCSI / NFS / CIFS / FTP / HTTP / AFP
External interface	Data	1*gigabit Ethernet
	Management	gigabit Ethernet
	SAS	support
	USB	USB 3.0*2, USB 2.0*5
	HDMI	1
	VGA	1
	DVI	1
other	Optional components	4*gigabit Ethernet
		Discrete graphics
	Power supply	600W
	Input voltage	180~240V , 47~63 Hz
	Temperature	5 ℃ to 40 ℃
	Humidity	5% ~95% nodew
	Dimension	3U standard rack-mount, 671mm*430mm*133mm,support frame rail
Weight(without disk)	20 KG	